

DT07 Rec'd PCT/PTO 27 JAN 2005

**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

ATTORNEY'S DOCKET NUMBER
12406-109US1/P2002,0639 US N

U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)
107922518

INTERNATIONAL APPLICATION NO.
PCT/DE2003/001906

INTERNATIONAL FILING DATE
10 June 2003

PRIORITY DATE CLAIMED
30 July 2002

TITLE OF INVENTION
SEMICONDUCTOR DEVICE WITH A COOLING ELEMENT

APPLICANT(S) FOR DO/EO/US
Stefan Groetsch

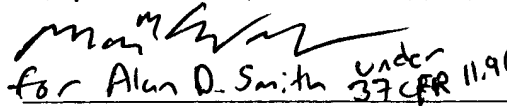
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. § 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. § 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. § 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. § 371(c)(2))
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☒ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. § 371(c)(2)).
 - a. ☒ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. § 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. § 371(c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of amendments to the claims under PCT Article 19 (35 U.S.C. § 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. § 371(c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. § 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 C.F.R. § 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. § 3.28 and 3.31 is included.
13. ☒ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 C.F.R. § 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. § 1.821 - 1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. § 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. § 154(d)(4).
20. ☐ Other items or information:

CERTIFICATE OF MAILING BY EXPRESS MAIL
Express Mail Label No. EL 980075971 US
Date of Deposit: January 27, 2005

| | | | | | | | | | | | | | |
|--|--------------|--|--------------|--|------------|-----|--|-----|--|-----|--|------|--|
| U.S. APPLICATION NO. (if known) see 37 C.F.R. 1.5) 10/522518 | | INTERNATIONAL APPLICATION NO. PCT/DE2003/001906 | | ATTORNEY'S DOCKET NUMBER 12406-109US1 | | | | | | | | | |
| 21. The following fees are submitted: <input checked="" type="checkbox"/> a) Basic national fee \$300 <input checked="" type="checkbox"/> b) Examination fee \$200 <input checked="" type="checkbox"/> c) Search fee \$500 <div style="text-align: center;">TOTAL OF ABOVE CALCULATIONS =</div> | | | | DT01 Rec'd PCT/PTC 27 JAN 2005 <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td style="width:50%;">300</td><td style="width:50%;"></td></tr> <tr><td>200</td><td></td></tr> <tr><td>500</td><td></td></tr> <tr><td>1000</td><td></td></tr> </table> | | 300 | | 200 | | 500 | | 1000 | |
| 300 | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. | | | | | | | | | | | | | |
| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE | | | | | | | | | | |
| 12-100 = | 0/50 = | | X \$250 | \$ | | | | | | | | | |
| Surcharge of \$130 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 C.F.R. 1.492(e)). | | | | \$ | | | | | | | | | |
| CLAIMS | | NUMBER FILED | NUMBER EXTRA | RATE | | | | | | | | | |
| Total Claims | | 15 - 20 = | 0 | x \$50 | \$0.00 | | | | | | | | |
| Independent Claims | | 1 - 3 = | 0 | x \$200 | \$0.00 | | | | | | | | |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | | | + \$360 | \$0.00 | | | | | | | | |
| TOTAL OF ABOVE CALCULATIONS = | | | | | \$1,000.00 | | | | | | | | |
| <input type="checkbox"/> Applicant claims small entity status. See 37 C.F.R. 1.27. The fees indicated above are reduced by 1/2. | | | | | \$0.00 | | | | | | | | |
| SUBTOTAL = | | | | | \$1,000.00 | | | | | | | | |
| Processing fee of \$130 for furnishing the English Translation later than 30 months from the earliest claimed priority date (37 C.F.R. 1.492(f)) | | | | + | \$0.00 | | | | | | | | |
| TOTAL NATIONAL FEE = | | | | | \$1,000.00 | | | | | | | | |
| Fee for recording the enclosed assignment (37 C.F.R. 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 per property | | | | + | \$0.00 | | | | | | | | |
| TOTAL FEES ENCLOSED = | | | | | \$1,000.00 | | | | | | | | |
| | | | | Amount to be refunded: | \$ | | | | | | | | |
| | | | | Amount to be charged: | \$ | | | | | | | | |
| a. <input checked="" type="checkbox"/> A check in the amount of \$1,000.00 to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. 06-1050 in the amount of \$0.00 to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-1050. A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. | | | | | | | | | | | | | |
| NOTE: Where an appropriate time limit under 37 C.F.R. 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b) must be filed and granted to restore the International Application to pending status. | | | | | | | | | | | | | |
| SEND ALL CORRESPONDENCE TO: | | | | | | | | | | | | | |
| PTO Customer No: 26161 | |  for Alan D. Smith under 37 CFR 11.9(b) | | | | | | | | | | | |
| | | SIGNATURE | | | | | | | | | | | |
| | | March Wefers for Alan D. Smith | | | | | | | | | | | |
| | | NAME | | | | | | | | | | | |
| | | 32.005 | | | | | | | | | | | |
| REGISTRATION NUMBER | | | | | | | | | | | | | |

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